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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,346	10/23/2001	Prathima Agrawal	1459-US	1318
9941	7590	05/20/2005	EXAMINER	
TELCORDIA TECHNOLOGIES, INC. ONE TELCORDIA DRIVE 5G116 PISCATAWAY, NJ 08854-4157			MEHRPOUR, NAGHMEH	
			ART UNIT	PAPER NUMBER
			2686	
DATE MAILED: 05/20/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/045,346	<b>Applicant(s)</b> PRATHIMA AGRAWAL ET AL.	
	<b>Examiner</b> Naghmeh Mehrpour	<b>Art Unit</b> 2686	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on 16 December 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-8,10-14,16-20,22 and 23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-8,10-14,16-20,22 and 23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |                                                                                                                        |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                            | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-3, 16-20, 22,** are rejected under 35 U.S.C. 102(b) as being anticipated by Emery et al. (US Patent 5664,005).

Regarding **Claim 1**, Emery teaches a system for enabling a telephone subscriber to switch an on going telephone call between wireline services provided through a central office in the public switched telephone network and cellular services provided by a mobile switching center in a cellular network, the subscriber wireline and cellular telephone being assigned different telephone numbers (col 7 lines 35-67, col 8 lines 1-28, col 12 lines 63-67, col 13 lines 1-9), said system comprising:

a routing table located in HLR identifying specific telephone subscribers entitled to switch telephone calls between wireline and wireless services (col 5 lines 10-47),

a look-up table that conventionally located in personal base station identifying the correspondence of said one specific telephone subscriber's wire line and a look-up table

Art Unit: 2686

conventionally locate on HLR to identify cellular telephone numbers (col 4 lines 35-67, col 5 lines 1-32);

a monitor circuit responsive to a unique signal during the on going telephone call that from one specific telephone subscriber indicating a desired transfer between said one specific telephone subscriber's wireline and cellular telephones (col 8 lines 35-67, col 9 lines 1-15), and

switch means responsive to the monitor circuit for effecting the transfer of the on-going telephone call (col 5 lines 39-55).

Regarding **Claim 2**, Emery teaches a system for enabling a telephone subscriber to switch an on-going telephone call between wireline services provided through a central office in the public switched telephone network PSTN and cellular services provided by a mobile switching center MSC in a cellular network, wherein the corresponding of the specific subscriber's wireless and cellular telephone numbers are contained in a look up table is in said mobile switching center (col 8 lines 35-67, col 9 lines 1-15).

Regarding **Claims 3, 19-20**, Emery teaches a system for enabling a telephone subscriber to switch an on-going telephone call between wireline services provided through a central office PSTN in the public switched network and cellular service provided by a mobile switching center in a cellular network comprising:

authorization and call routing a fixed cellular mobility agent associated with said mobile switching center 117, wherein

Art Unit: 2686

said routing table is in said central office, an incoming call to one of said specific telephone subscribers 10 being routed to said fixed cellular mobility agent in response to an output of said routing table when the incoming call is addresses to the one subscribers third number (see figures 1-3, Located in HLR, col 5 lines 1-47); and

said fixed mobility agent obtaining from the look up table the one subscribers cellular mobility telephone number (see figures 1-2);

said look up table, the monitor circuit, and the switch means are in the fixed cellular mobility agent (col 8 lines 35-67, col 9 lines 1-15).

Regarding **Claim 10**, Emery teaches a system for enabling a telephone subscriber to switch a telephone call between wireline services provided through a central office in the public switched telephone network and cellular services provided by a mobile switching center in a cellular network, the subscriber wireline and cellular telephone being assigned different telephone numbers (col 7 lines 35-67, col 8 lines 1-28, col 12 lines 63-67, col 1-19), said system comprising:

establishing a call connection to the one of the subscriber telephones (see figures 2-3 col 9 lines 43-67, col 10 lines 1-55);

monitoring a call connection to a subscriber entitled to switch calls between that subscriber's wireline and cellular telephones to detect a request signal for such a transfer (col 8 lines 35-67 col 9 lines 1-15);

obtaining the telephone number of that one the subscriber's wireline and cellular telephone call (col 5 lines 10-55); and

responsive to a signal from the subscriber during the connection to one of the subscriber's telephone, switching the telephone call to the one of the subscriber's wireline or cellular telephones and terminating the connection to the other subscriber's wireline or cellular telephones (col 8 lines 35-67, col 9 lines 1-15, col 20 lines 45-65).

Regarding **Claims 11, 18**, Emery inherently teaches a method in accordance wherein the enabling step is performed by the mobile switching center (see figures 1-3).

Regarding **Claim 12**, Emery teaches a method the connection to the subscriber is through a fixed cellular mobility agent and the monitoring step alerts the fixed cellular mobility agent to the request (see figures 1-3, 6, col 25 lines 1-67, col 26 lines 1-60).

Regarding **Claim 13**, Emery teaches a method wherein the establishing, switching and terminating steps are performed by the fixed cellular mobility agent (see figures 1-3).

Regarding **Claim 14**, Emery teaches a system for enabling a telephone subscriber to switch telephone call between wireline services provided through a central office PSTN in the public switched network and cellular service provided by a mobile switching center in a cellular network after the telephone call has been initially routed to the telephone subscriber (see figure 1-3), comprising:

Art Unit: 2686

fixed cellular mobility agent having the functionality of a central office and coupled to the mobile switching center, and fixed cellular mobility agent (col 25 lines 22-67, col 26 lines 1-60) comprising:

means for establishing a connection (col 25 lines 1-20);

means for monitoring and detecting a request from the one subscriber during the already established connection to transfer the call connection to the other of the subscriber's wireline or cellular telephone (col 26 lines 11-65); and

means for switching the connection in response to the request (col 25 lines 45-67, col 26 lines 1-60).

Regarding **Claim 16**, Emery teaches a system for enabling a telephone subscriber to switch on-going telephone call between wireline and cellular telephones to the other of the subscriber's telephones; the subscriber wireline and cellular telephone being assigned different telephone numbers, the method (col 7 lines 35-67, col 8 lines 1-28, col 12 lines 63-67, col 13 lines 1-9), comprising:

monitoring a call connection to one of the subscriber's telephone to detect a request by the subscriber to switch the connection between the subscriber's telephones (col 8 lines 35-67, col 9 lines 1-15);

obtaining the telephone number of the other of the subscriber's telephones (col 5 lines 39-55, col 25 lines 11-65);

initiating an outgoing call from the other of the subscriber's telephones (col 4 lines 29-30);

Art Unit: 2686

establishing a connection to the other subscriber's telephones (see figure 3, col 8 lines 35-67 col 9 lines 1-1530-36); and

bridging the connections to the one and the other of the subscriber's telephones and terminating the connection to the one of the subscriber's telephones (col 5 lines 39-55).

Regarding **Claim 17**, Emery teaches a method wherein comprising:

alerting a mobile switching center in a cellular network of the detection of the request by the monitoring step (col col 8 lines 35-67 col 9 lines 1-15); and

wherein the initiating step is effected by the mobile switching center (see figure 1-3).

Regarding **Claim 22**, Emery teaches a method a system/method in accordance wherein the look-up table identifies the correspondence between the one telephone subscriber's wireline telephone number, the cellular telephone number, and a third number for calls to the one subscriber's cellular telephone than can be transferred during the on-going telephone call to the one subscriber's fixed telephone (col col 7 lines 35-67, col 8 lines 1-28, col 12 lines 63-67 col 13 lines 1-9).

3. **Claims 5-8, 23**, are rejected under 35 U.S.C. 103(a) as being unpatentable over Emery et al.(US Patent Number 6,253,088 B1) in view of Brachman et al. (US Patent Number 6,374,102 B1) in further view of Schellinger et al. (US Patent Number 6,052,592).



Art Unit: 2686

Regarding **Claim 5**, Emery teaches a system for enabling a telephone subscriber to switch an on-going telephone call between wireline services provided through a central office PSTN in the public switched network and cellular service provided by a mobile switching center 14 in a cellular network (col 3 lines 1-6). Emery teaches identifying a routing table in the central office specific telephone subscribers entitled to switch telephone calls between wireline and cellular services , (See figure 1, col 4 lines 56-67, col 5 lines 1-5);

identifying in a routing table in the central office specific telephone subscribers entitled to switch telephone calls between wireline and cellular services (see figures 1-3, col 5 lines 10-47);

providing a correspondence between the specific subscriber's wireline and cellular telephone numbers (col col 4 lines 35-67 col 5 lines 1-32);

monitoring a signal from one of the specific telephone subscribers initiate a transfer between the subscriber's wireline and cellular telephones the specific subscriber to initiate a call transfer between the subscriber's wireline and cellular telephones (col 8 lines 35-67 col 9 lines 1-15); and

enabling a switch to affect the transfer in response to the monitored signal (col 27 lines 20-67 col 28 lines 1-60). Emery fails to specifically mention that the monitor circuit responsive to a unique signal during the existence of on-going telephone call telephone call involving the specific subscriber from one specific telephone subscriber. However Brachman teaches a monitor circuit 103 responsive to a unique signal during the existence of on-going telephone call telephone call involving the specific subscriber from one specific telephone subscriber (col 48 lines 59-66). Therefore, it would have been obvious to ordinary skill in the art at the time the

Art Unit: 2686

invention is made to combine the above teaching of Brachman with Emery modified by Schellinger, in order to provide the mobile user with ability to interactively place an incoming call on hold in real time without first answering the call, and to pickup call sometimes in near future.

Regarding **Claims 6, 8**, Emery inherently teaches a system for enabling a telephone subscriber to switch an on-going telephone call between wireline services provided through a central office in the public switched telephone network PSTN and cellular services provided by a mobile switching center MSC in a cellular network , wherein the corresponding of the specific subscriber's wireless and cellular telephone numbers are contained in a look up table is in said mobile switching center (see figure 1-3).

Regarding **Claims 7**, Emery inherently teaches a method in accordance wherein the enabling step is performed by the mobile switching center (see figures 1-3).

Regarding **Claim 23**, Emery teaches a method a system/method in accordance wherein the look-up table identifies the correspondence between the one telephone subscriber's wireline telephone number, the cellular telephone number, and a third number for calls to the one subscriber's cellular telephone than can be transferred during the on-going telephone call to the one subscriber's fixed telephone (col 23 lines 25-67 col 24 lines 1-57).

***Response to Arguments***

4. Applicant's arguments with respect to claims 1-3, 5-8, 10-14, 16-20, 22-23, have been considered but are moot in view of the new ground of rejection.

**Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**Strawczynski et al.** (US Patent 6,038,452) disclose telecommunication network utilizing a quality of service protocol

**Akhteruzzaman et al.** (US Patent 6,584,316 B1) disclose HANDOFF of wireless to wireline network

**Paul et al.** (US Patent 6,850,758 B1) disclose system for integrating fixed terminals in a mobile network

**Rautiainen** (US Patent 6,892,079 B1) disclose procedure for setting up a call in a wireless local loop

**Fehnel** (US Patent 5,963,869) disclose method for management of analog and digital control channel

**Averbuch et al.** (US Patent 5,867,785) disclose for providing communication service to communication units located within a common carrier transportation device

**Essigmann** (US Patent 5,850,391) disclose shared interworking function within a mobile telecommunications network

Art Unit: 2686

**Lewis et al.** (US Patent 6,847,821 B1) disclose method and system in a wireless communications network for the simultaneous transmission of both voice and non-voice data over a single radio frequency channel

**6. Any responses to this action should be mailed to:**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913.

The examiner can normally be reached on 8:00- 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (571) 272-7905.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

May 6, 2005



**MELODY MEHROUR  
PATENT EXAMINER**